TRANSACTIONS

OF THE

AMERICAN MATHEMATICAL SOCIETY

EDITED BY

D. A. BUCHSBAUM H. P. McKEAN LOUIS NIRENBERG

R. S. PALAIS F. P. PETERSON DANA SCOTT

VOLUME 126

JANUARY TO MARCH, 1967

PUBLISHED BY THE AMERICAN MATHEMATICAL SOCIETY

PROVIDENCE, RHODE ISLAND

MATHEMATICS
QA
1
.A51t
v 126
Jan.-Mar.
1967

Printed in the United States of America

TABLE OF CONTENTS

VOL. 126 JANUARY – MARCH, 1967 Page

AKEMANN, C. A. The dual space of an operator algebra 286

ANDERSON, R. D. Topological properties of the Hilbert cube and the infinite product of open intervals 200

ASH, J. M. Generalizations of the Riemann derivative 181

ATKIN, A. O. L. AND O'BRIEN, J. N. Some properties of $p(n)$ and $c(n)$ modulo powers of 13 442

BEEKMAN, J. A. Gaussian Markov processes and a boundary value problem 29

CHANG, C. C. Descendingly incomplete ultrafilters 108

CLARK, D. N. On the point spectrum of a Toeplitz operator 251

CONWAY, J. B. The strict topology and compactness in the space of measures. II 474

DUDLEY, UNDERWOOD. Oscillating sequences modulo one 420

EARLE, C. J. Reduced Teichmüller spaces 54

FRIEDMAN, AVNER AND SHINBROT, MARVIN. Volterra integral equations in Banach space 131

GARDNER, R. B. Invariants of Pfaffian systems 514

GIL DE LAMADRID, JESÚS. Topological modules: Banach algebras, tensor products, algebras of kernels 361

GROSSWALD, EMIL. Oscillation theorems of arithmetical functions 1

HAHN, FRANK AND KATZNELSON, YITZHAK. On the entropy of uniquely ergodic transformations 335

HARPER, L. H. Capacities of sets and harmonic analysis on the group 2^{ω} 303

HILLIKER, D. L. On analytical functions which have algebraic values at a convergent sequence of points 534

KATZNELSON, YITZHAK AND HAHN, FRANK. On the entropy of uniquely ergodic transformations 335

KELLEY, AL. Changes of variables near a periodic orbit 316

KERVAIRE, M. AND VASQUEZ, A. Simple-connectivity and the Browder-Novikov theorem 508

LACHER, C. Some conditions for manifolds to be locally flat 119

LUFT, ERHARD. Maximal R-sets, Grassmann spaces, and Stiefel spaces of a Hilbert space 73

LUTZ, D. A. Some characterizations of systems of linear differential equations having regular singular solutions 427

MCMILLAN, D. R., Jr. A criterion for cellularity in a manifold. II 217

MEYER, P. R. Topologies with the Stone-Weierstrass property 236

NEWMAN, MORRIS. Classification of normal subgroups of the modular group 267

O'BRIEN, J. N. AND ATKIN, A. O. L. Some properties of $p(n)$ and $c(n)$ modulo powers of 13 442

PETRYSHYN, W. V. Remarks on fixed point theorems and their extensions 43

PUKANSZKY, LAJOS. On the theory of exponential groups 487

RICKERT, N. W. Locally compact topologies for groups 225
SHINBROT, MARVIN AND FRIEDMAN, AVNER. Volterra integral equations in Banach space 131
STRAUCH, R. E. Measurable gambling houses 64
SWANSON, C. A. Comparison theorems for elliptic equations on unbounded domains 278
THOMAS, E. S., Jr. Spaces determined by their homeomorphism groups . 244
VASQUEZ, A. AND KERVAIRE, M. Simple-connectivity and the Browder-Novikov theorem 508
ZIEMER, W. P. Extremal length and conformal capacity 460